

CBM READY-TO-LATCH ASSEMBLY R&R GENERIC

OBJECTIVE:

This procedure removes and replaces a failed CBM Ready to Latch Assembly (RTLA).

LOCATION:

Installed: Active CBM Docking Ring

Stowed: √Maintenance Database

DURATION:

TBD minutes

PARTS:

CBM Ready-to-Latch Assembly (PN 683-13729-001)

MATERIALS:

None

TOOLS REQUIRED:

Equipment Bag

Tether

Kit G:

Ratchet 3/8" Drive

Kit E:

3/8" Socket, 3/8" Drive

Kit TBD:

Pip Pin (Special Purpose Tool?)

REFERENCED PROCEDURE(S):

READY TO LATCH CHECKOUT

SAFE

WARNING

Failure to remove power can result in electrical shock hazard.

1. √CBM Controller Pwr - Off

ACCESS

2. If required, remove vestibule closeout for access by unfastening 1/4 turn fasteners.
Tm pry stow.

WARNING

Foot must be locked in stowed position. Failure to do so may result in personal injury or damage to equipment.

3. Press button on end of Pip Pin, push pin through hole in body to the RTLA and into foot, locking foot in stowed position.
4. Loosen fasteners (five) (Ratchet 3/8" Drive, 3/8" Socket).
5. Slide alignment guide away from PCBM ring, separating alignment guide pins (four) from alignment guide pin sockets.
Tm pry stow.

REMOVE

NOTE

Foot of RTLA should be released to unstowed position to allow access to electrical connector and mounting bolts.

6. Apply pressure to outer edge of foot to prevent it from springing up when Pip Pin is removed.
7. Press button on end of Pip Pin to allow locking balls to retract.
8. Pull Pip Pin out of foot and body.
Tm pry stow Pip Pin.
9. Demate electrical connector from RTLA connector.
10. Loosen fasteners (two) (Ratchet 3/8" Drive, 3/8" Socket).
11. Pull RTLA away from active berthing ring, label.
Label, tm pry stow.

REPLACE

12. Place replacement RTLA in position so mounting fasteners align with their mounting receptacles.
13. Tighten fasteners (two) 1/4 turn past snug (Ratchet 3/8" Drive, 3/8" Socket).
14. Connect RTLA connector (P4) to RTLA receptacle.

CHECK-OUT

15. Perform RTLA CHECKOUT, all (SODF: OSO).

CLOSE-OUT

16. Push RTLA foot to the stowed position.
17. Press button on end of Pip Pin, push pin through hole in body of RTLA and into foot, locking foot in stowed position.

NOTE

There are four alignment pins on alignment guide and four alignment pin sockets on CBM ring to aid guide installation.

18. Align pins (four) on alignment guide with pin sockets on CBM ring.
19. Slide alignment guide against CBM ring until guide is flush against CBM ring.
20. Tighten captive fasteners (five) 1/4 turn past snug (Ratchet 3/8" Drive, 3/8" Socket).
21. Press button on end of Pip Pin, pull pin out of foot and RTLA body.
Tm pry stow.
22. If vestibule closeout was removed, install vestibule closeout by fastening 1/4 turn fasteners (TBD number).

POST-MAINTENANCE

23. Stow failed RTLA, tools, equipment.
24. Update Maintenance Database.